

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-25168

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Marbob Energy Corporation

3. ADDRESS OF OPERATOR

P.O. Drawer 217, Artesia, N.M. 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)

At surface 2310 FNL 840 FWL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

20 air miles east of Artesia, N.M. 88210

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

840'

16. NO. OF ACRES IN LEASE

1480

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

400'

19. PROPOSED DEPTH

3450'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3606.7' GR

22. APPROX. DATE WORK WILL START*

1/25/85

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	350'	Sufficient to circulate
7 7/8"	5 1/2"	15.50#	3450'	450 sax, to base of salt

Pay zone will be selectively perforated and stimulated as needed for optimum production.

Attached are: 1. Location & acreage dedication plat
2. Supplemental drilling data
3. Surface use plan

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Carolyn Purcella

TITLE

Production Clerk

DATE

1/15/85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

1-21-85

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

APPROVAL SUBJECT
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

**MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-85

All distances must be from the outer boundaries of the Section

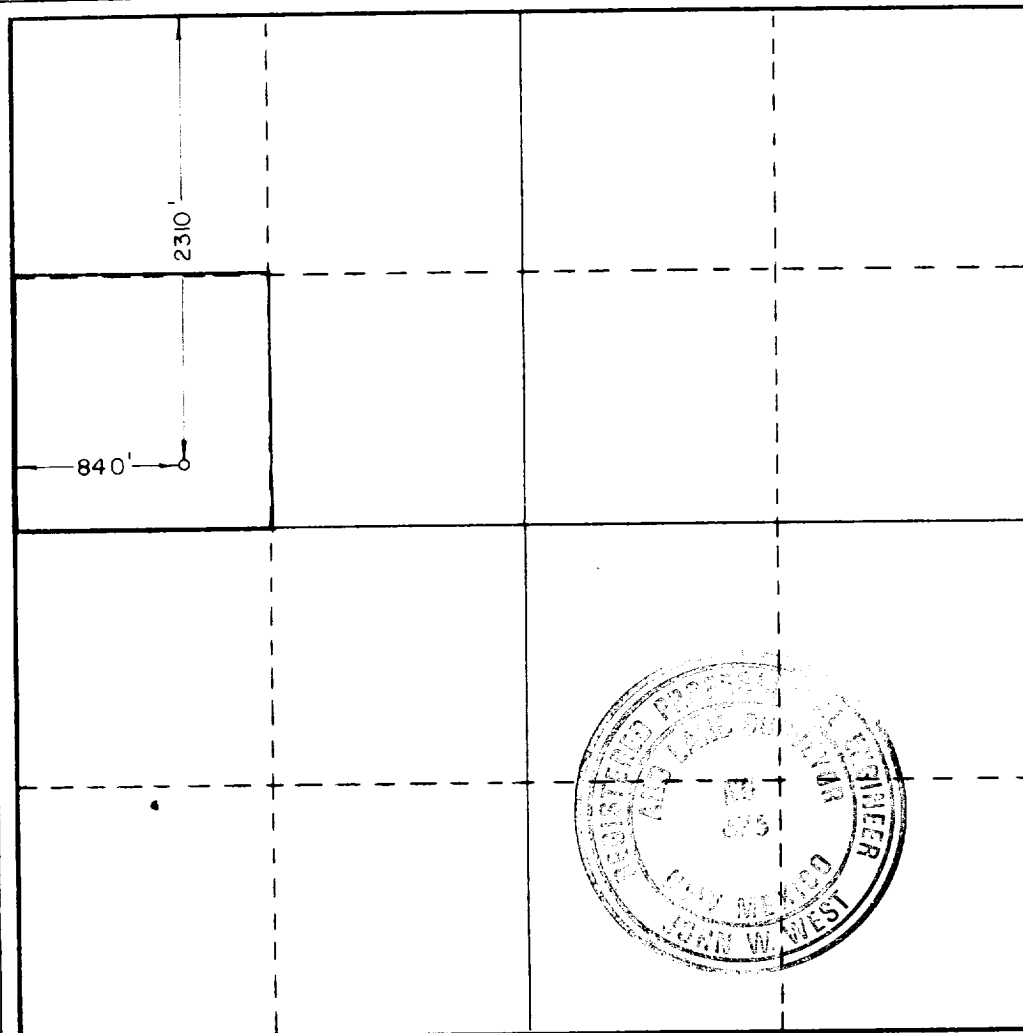
Operator MARBOB ENERGY CORP.			Lease M. DODD "B"		Well No. 49
Tract Letter E	Section 14	Township 17 SOUTH	Range 29 EAST	County EDDY	
Actual Footage Location of Well: 2310 feet from the NORTH line and 840 feet from the WEST line					
Ground Level Elev. 3606.7'	Producing Formation San Andres		Pool Grbg Jackson SR.Q G SA		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Carolyn Purcella
Name

Carolyn Purcella
Position

Production Clerk
Company

Marbob Energy Corporation
Date

1/15/85

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
JANUARY 14, 1985

Registered Professional Engineer
and/or Land Surveyor

John W. West
Certificate No. **JOHN W. WEST, 676**

RONALD J. EIDSON, 3239

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

REGAN OFFSHORE INTERNATIONAL, INC.

Torrance,

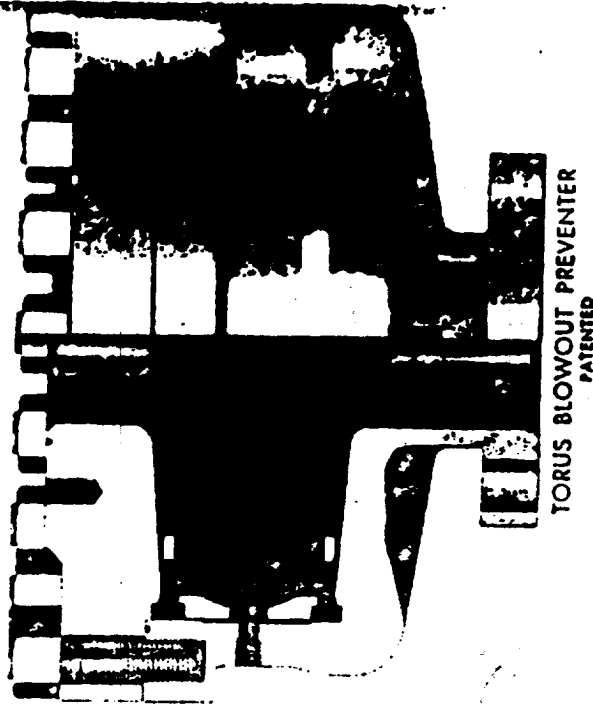
ANNULAR

REGAN BLOWOUT PREVENTERS

The Regan Torus Blowout Preventer is used primarily on production and workover rigs for well control up to 3000 PSI working pressure.

DESIGN FEATURES

- The Torus Preventer is designed for minimum insight to facilitate its use with production and workover rigs.
- The rubber packer will conform to any object in the well bore. Sealing ability is not affected by minor damage to the inner bore.
- The packer will seal on open hole or full working pressure.
- The dual packer design increases the reliability of the preventer since the outer rubber is never exposed to the well bore. Under ordinary service, the outer packer is rarely replaced.



SPECIFICATIONS

DIMENSIONS (in.)

Nominal Size	Test Pressure (psi)	Outside Diameter	Thru Bore	Overall Height	Weight (lb.)	End Flanges (in.)	R/R King Grooves	Side Outlet
6	1200	6 1/2	7 1/8	19 1/2	140	10 1/2	35	None
8	1200	8 1/2	9	25	165	12 1/2	45	2" L.P.

1. Bottom flange for use with 2 1/2" NPT. 2. Used with 2 1/2" NPT. 3. Used with 2 1/2" NPT. 4. Used with 2 1/2" NPT. 5. Used with 2 1/2" NPT. 6. Used with 2 1/2" NPT. 7. Used with 2 1/2" NPT. 8. Used with 2 1/2" NPT. 9. Used with 2 1/2" NPT. 10. Used with 2 1/2" NPT.

SUP Exhibit "F"

REGAN BLOWOUT PREVENTER
Marbob Energy Corporation
Well #49 M. Dodd "B" Federal
SW1NW1 SEC. 14-17S-29E.

[illegible]
$$e^{-\beta} \gamma = \beta \gamma + \gamma \beta = -\beta \gamma \beta = -\beta^2 \gamma \beta = -\beta^2 \gamma \beta \gamma = -\beta^2 \gamma \beta \gamma \beta = \dots$$

SUPPLEMENTAL DRILLING DATA

HARPOF ENERGY CORPORATION
WELL #20 H. ROAD "F" FEDERAL
SW1/4NW1/4 SEC. 14-17S-29E
RIPPY COUNTRY, NWW MEXICO
(DEVILSHOKE WELL)

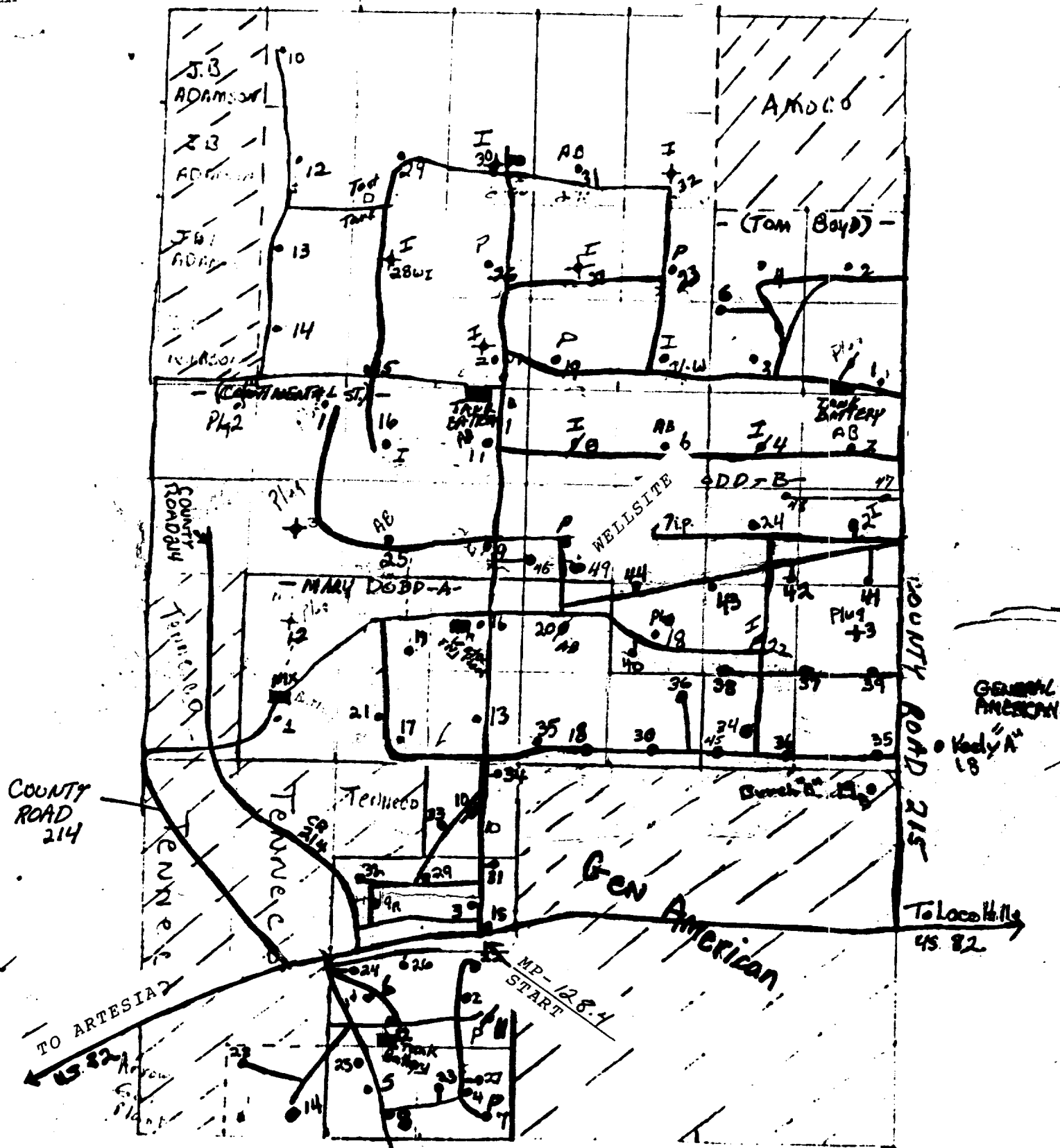
1. SURFACE FORMATION: Outcrops.
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Salt	360'	Queen	1815'
Base Salt	780'	Grayburg	2140'
Yates	930'	San Andres	2510'
Seven Rivers	1145'	Glorietta	3900'
3. ANTICIPATED POROSITY ZONES:

Water	Above 180'
Oil	2350 - 3450'
4. CASING DESIGN:

SIZE	INTERVAL	WEIGHT	GRADE	JOINT	CONDITION
8 5/8"	0-350'	24.0#/	K-55	STC	New
5 1/2"	0-3450'	15.5#/	K-55	STC	New
5. SURFACE CONTROL EQUIPMENT: A double ram-type or annular BOP will be used. (See diagram attached as Exhibit "F")
6. CIRCULATING MEDIUM:

0 - 350'	Fresh water mud with gel or lime as needed for viscosity control.
350'- 3450'	Salt water mud, conditioned as necessary for control of viscosity and water loss or gain.
7. AUXILIARY EQUIPMENT: Drill string safety valve.
8. LOGGING PROGRAM: CNL-FDC W/GR Log will be run to TD.
9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: A water flow may be encountered in the salt section.
10. ANTICIPATED STARTING DATE: It is planned that operations will commence about January 10, 1985. Duration of drilling, testing and completion operations should be one to four weeks.

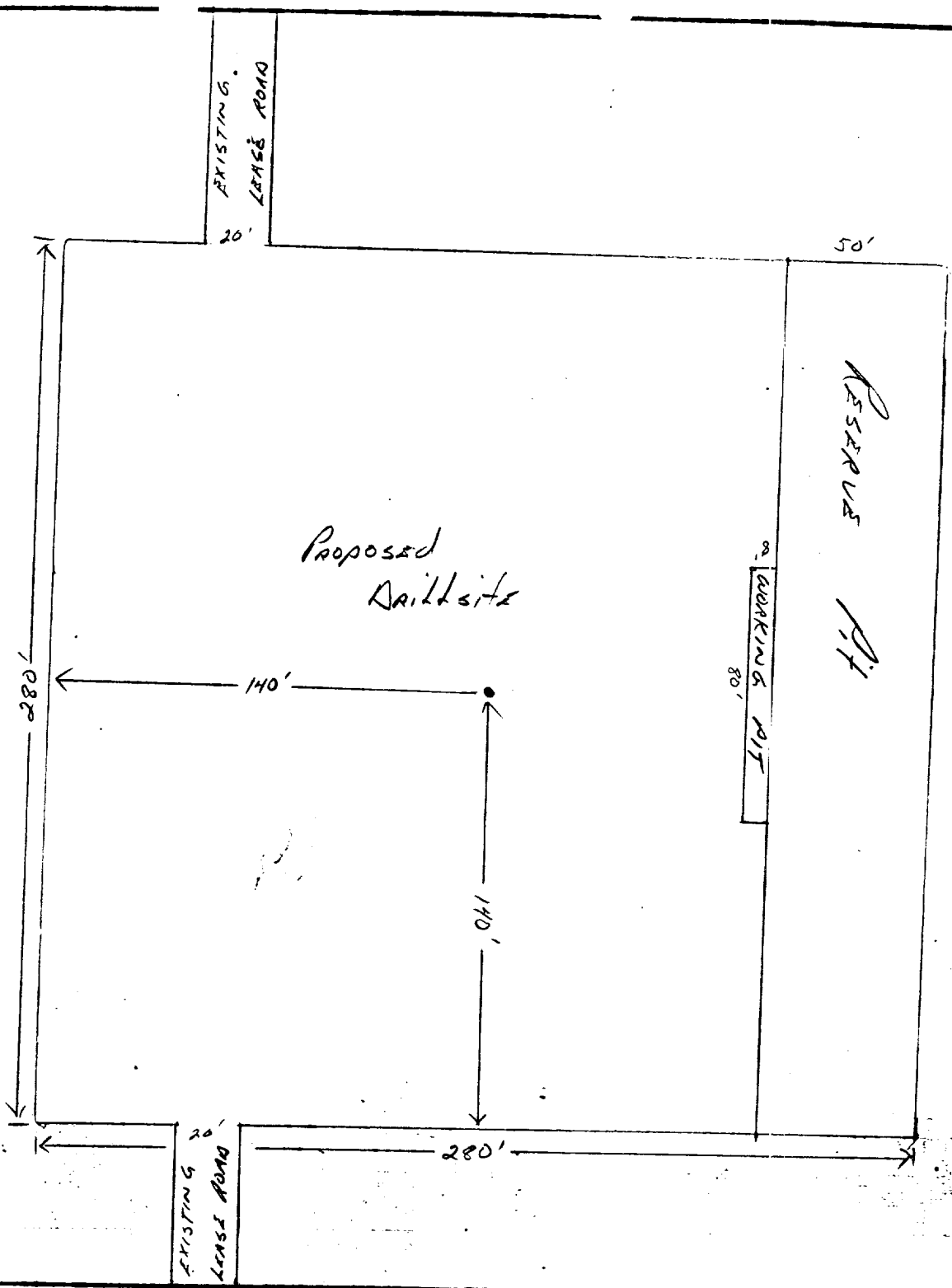


LEGEND

1 cm = 20 ft.

SUP Exhibit "C"

Road Map Indicating Wells
In Vicinity of Drillsite
MARBOB ENERGY CORPORATION
Well #49 M. Dodd "B" Federal
SW1/4 SEC. 14-17S-29E.



LEGEND

1cm = 20 ft.

SUP Exhibit "D"

SKETCH OF PROPOSED WELL PAD

MARBOB ENERGY CORPORATION
Well #49 M. Dodd "B" Federal
SW $\frac{1}{4}$ N $\frac{1}{4}$ W SEC. 14-17S-29E.